IN THE CLAIMS

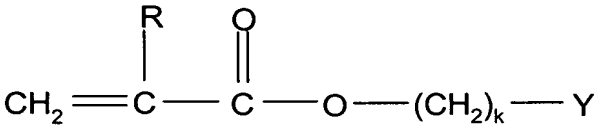
Please amend the claims as follows:

Claim 1 (Currently Amended): A radiation-curable coating composition comprising

a) at least one aliphatic urethane (meth)acrylate which has two ethylenically unsaturated double bonds per molecule and ~~contains~~ comprises at least one polytetrahydrofurandiol having a number average molecular weight $M_n$ of at least 500 g/mol, ~~in built-in form~~ and

b) at least one monoethylenically unsaturated reactive diluent ~~containing~~ comprising at least one aliphatic heterocycle ~~as structural element~~,

wherein the component b) is a compound of the formula I



(I)

~~where~~ wherein

R is selected from ~~among~~ the group consisting of H and $CH_3$,

k is from 0 to 4, and

Y is a 5- or 6-membered, saturated heterocycle ~~containing~~ comprising one or two oxygen atoms, with the heterocycle being able to be unsubstituted or substituted by $C_1$-$C_4$-alkyl.

Claim 2 (Currently Amended): [[A]] The coating composition as claimed in Claim 1 ~~claim 1~~ which further comprises as component c) a bifunctional or polyfunctional ester of an α,β-ethylenically unsaturated carboxylic acid with a diol or polyol ~~(= component c))~~.

Claim 3 (Currently Amended): [[A]] The coating composition as claimed in ~~either of the preceding claims~~ Claim 2 comprising from 20 to 90% by weight of the component a), from 10 to 80% by weight of the component b), from 0 to 50% by weight of the component c) and up to 50% by weight, based on the total weight of the components a), b) and c), of ~~customary auxiliaries~~ at least one auxiliary, with the proviso that the percentages by weight of the components a), b) and c) add up to 100% by weight.

Claim 4 (Currently Amended): [[A]] The coating composition as claimed in Claim 2 ~~any of the preceding claims~~ which, based on the total weight of the components a), b) and c), further comprises:

d) from 0 to 10% by weight of at least one photoinitiator,

e) from 0 to 5% by weight of at least one UV absorber,

f) from 0 to 5% by weight of at least one free-radical scavenger, and

g) from 0 to 10% by weight of at least one additive ~~additives customary for coating compositions~~.

Claim 5 (Currently Amended): [[A]] The coating composition as claimed in claim 1, wherein the component b) is selected from ~~among~~ the group consisting of trimethylolpropane monoformal acrylate, glycerol monoformal acrylate, 4-tetrahydropyranyl acrylate, 2-tetrahydropyranyl methylacrylate and tetrahydrofurfuryl acrylate.

Claim 6 (Currently Amended): [[A]] The coating composition as claimed in ~~any of the preceding claims~~ Claim 2, wherein the component c) is selected from the group consisting of ~~among~~ diacrylates and dimethacrylates of aliphatic diols.

Claims 7-8 (Canceled).

Claim 9 (Currently Amended): A process for producing a coated substrate, which comprises

- applying [[a]] the coated composition as claimed in Claim 1 ~~any of claims 1 to 6~~ to the surface of [[the]] a substrate,
- ~~if appropriate~~, optionally, drying the applied coating composition at elevated temperatures, and
- curing the coating composition~~, which may previously have been dried,~~ by irradiation with UV radiation or an electron beam, to form the coated substrate.

Claim 10 (Currently Amended): A coated substrate ~~obtainable~~ obtained by [[a]] the process of Claim 9 ~~as claimed in claim 9~~.

Claim 11 (New): The process of Claim 10, wherein the substrate surface comprises wood, plastic, paper, leather, metal, or combinations thereof.

Claim 12 (New): The process of Claim 10, comprising drying the applied coating composition at elevated temperatures.

Claim 13 (New): A process for producing a coated substrate, which comprises

applying the coated composition as claimed in Claim 2 to the surface of a substrate,

optionally, drying the applied coating composition at elevated temperatures, and

curing the coating composition by irradiation with UV radiation or an electron beam, to form the coated substrate.

Claim 14 (New): A coated substrate obtained by the process of Claim 13.

Claim 15 (New): The process of Claim 13, wherein the substrate surface comprises wood, plastic, paper, leather, metal, or combinations thereof.

Claim 16 (New): The process of Claim 13, comprising drying the applied coating composition at elevated temperatures

Claim 17 (New): A process for producing a coated substrate, which comprises

applying the coated composition as claimed in Claim 3 to the surface of a substrate,

optionally, drying the applied coating composition at elevated temperatures, and

curing the coating composition by irradiation with UV radiation or an electron beam, to form the coated substrate.

Claim 18 (New): A coated substrate obtained by the process of Claim 17.

Claim 19 (New): The process of Claim 17, wherein the substrate surface comprises wood, plastic, paper, leather, metal, or combinations thereof.

Claim 20 (New): The process of Claim 17, comprising drying the applied coating composition at elevated temperatures.

Claim 21 (New): A process for producing a coated substrate, which comprises

applying the coated composition as claimed in Claim 4 to the surface of a substrate,

optionally, drying the applied coating composition at elevated temperatures, and

curing the coating composition by irradiation with UV radiation or an electron beam, to form the coated substrate.

Claim 22 (New): A coated obtained by the process of Claim 21.